



Monthly Update

AUGUST 2004

TABLE OF CONTENTS

DOE BULLETIN BOARD

What's New on the FEMP Website

CONGRESSIONAL ACTIVITIES

Congressional Schedule

FY 2005 Appropriations

Status of Pending Authorization Bills of Interest to FEMP

FY 2005 Budget Resolution and FY 2005 Appropriations

FEDERAL AGENCY ACTIVITIES

General Announcement

White House/Office of Management and Budget (OMB)

Department of Agriculture (USDA)

Department of Energy (DOE)

DOE National Laboratory Activities

Environmental Protection Agency (EPA)

Southeast Region

Northeast Region

Central Region

Midwest Region

Mid-Atlantic Region

Western Region

STATE AND LOCAL GOVERNMENT ACTIVITIES

General Announcements

Central Region

Mid-Atlantic Region

Midwest Region

Northeast Region

Southeast Region

Western Region

UTILITIES AND SUPPLIER ACTIVITIES

Multiple Regions

Northeast Region

Central Region

Southeast Region

Mid-Atlantic Region

Western Region

Midwest Region

PRIVATE SECTOR

General Announcements

Northeast Region

Central Region

Southeast Region

Mid-Atlantic Region

Western Region

Midwest Region

MEETINGS, CONFERENCES AND TRAINING WORKSHOPS

Multiple Regions

Northeast Region

Central Region

Southeast Region

Mid-Atlantic Region

Western Region

Midwest Region

STUDIES, REPORTS, AND ANALYSES

Energy and Water Conservation

Utilities and Suppliers

Solar and Renewable Energy

Miscellaneous

APPENDICES

A – Status of FY 2005 Appropriations Bills

B – FY 2005 Appropriations Covered to Date

C – New Technologies

D – Meetings, Conferences, and Other Events

The **FEMP MONTHLY UPDATE** is prepared expressly for the Department of Energy's Office of Federal Energy Management Programs (FEMP). The purpose of the **UPDATE** is to provide FEMP management staff with timely information on topics relevant to the program. This includes the status of pending Federal and state legislation and summaries of public and private sector energy-related activities. The **FEMP MONTHLY UPDATE** is prepared for

DOE BULLETIN BOARD

Short-Term Energy Outlook, Energy Information Administration (EIA), August 2004

The West Texas Intermediate spot price for crude oil surpassed the \$40 per barrel level in early August; the prices are higher than the upper \$30's per barrel level seen in early July. Petroleum inventories throughout the industrialized world reached the lowest level over the past three decades. The projected average price remained high at \$41 per barrel due to uncertainties regarding terrorism, instability in the Middle East, and political situations in Venezuela and Russia. (By mid-August, prices actually reached about \$50 per barrel).

Natural gas prices, as reported at the Henry Hub, averaged at \$5.83 per thousand cubic feet in early August, the prices are below the \$6.30 per thousand cubic feet levels seen in early July. In 2003 Hub prices averaged \$5.80 per thousand cubic feet and are expected to average \$6.21 in 2004 and \$6.60 in 2005. Natural gas demand projections are expected to increase but significantly less than previously determined due to the stronger use of coal for power.

Coal production is expected to increase by 2.3 percent in 2004 and coal demand projections in the electric power sector indicate a 1.5 percent increase in 2004.

WHAT'S NEW ON THE FEMP WEB SITE

Visit FEMP's website for information on DOE's New Efficiency Standards for Energy Equipment at www.eere.energy.gov/femp/newsevents/detail.cfm?news_id=7483.

[Back to Table of Contents](#)

CONGRESSIONAL ACTIVITIES

CONGRESSIONAL SCHEDULE

Congress is in recess and is scheduled to return on September 7.

FY 2005 APPROPRIATIONS

- Refer to [Appendix A](#) for the Status of Appropriations chart
- Refer to [Appendix B](#) for details on provisions of interest in pending FY 2005 appropriations bills.

STATUS OF PENDING AUTHORIZATION BILLS OF INTEREST TO FEMP

Comprehensive Energy Legislation Recent reports indicate that the Republican House and Senate Leadership has been working over the summer to obtain a compromise over controversial language that is holding up passage of comprehensive energy legislation. Ted Stevens (R/AK), Chairman of the Senate Committee on Appropriations said, without providing details, that a compromise on the issue of protecting manufacturers of MTBE from liability has been resolved. MTBE is a known ground water contaminant and the House has been steadfast in its refusal to delete the protective language while the Senate has not been able to secure enough votes to pass a bill containing the House provision. Chairman Stevens hopes to resolve this issue when Congress returns after the Labor Day Holiday.

No new bills of interest to report.

FY 2005 BUDGET RESOLUTION AND FY 2005 APPROPRIATIONS

No action taken since Congress has been in recess during the month of August.

[Back to Table of Contents](#)

FEDERAL AGENCY ACTIVITIES

GENERAL ANNOUNCEMENT

Two Federal agencies, the Environmental Protection Agency and the General Services Administration issued Requests for Proposals (RFPs) this summer for renewable energy certificates (RECs) for Federal facilities located throughout the U.S. The RFPs include facilities in the following locations.

ENVIRONMENTAL PROTECTION AGENCY (EPA)

- Denver (4,700 MWh annually) and Golden (2,100 MWh annually), Colorado
- Kansas City, Kansas (3,850 MWh and 4,450 MWh annually)
- San Francisco, California (2,275 MWh annually)
- Headquarters - Washington, DC (44,866,400 annually)
- Research Triangle Park, North Carolina

GENERAL SERVICES ADMINISTRATION

- World Bank, Washington, DC (45,000,000 to 90,000,000 kWhrs annually)
- Mid-Atlantic Region (20,000,000 to 50,000,000 kWhs annually)
- Great Lakes Region (up to 60,000,000 kWhs annually)

The Federal Government has made significant progress in meeting its renewable energy purchase goals of 2.5 percent government wide. Data indicates that since March 2004, Federal agencies have purchased 527 gigawatt hours of renewable power per year. Agencies purchasing renewable power include the Departments of Energy, Defense, Interior, Transportation, and Labor; the General Services Administration, the Environmental Protection Agency, the Social Security Administration, and the Smithsonian Institution, among others. (Source: *Federal Register*, EnergyVortex.com)

WHITE HOUSE/OFFICE OF MANAGEMENT AND BUDGET (OMB)

In early August, the Office of Management and Budget (OMB) indicated that the Administration supports a one percent (or less) increase in FY 2005 in across the board funding for Federal programs. This decision is response to the most recent Federal budget deficit projection for FY 2004 at \$445 billion. OMB Director Josh Bolten said, "We're comfortable with where we are on spending...[expecting] very good cooperation" with Congress on crafting FY 2005 appropriations bills. An exception will be made for a projected increase of four percent to fund the Departments of Defense and Homeland Security. To date, Congress has passed one FY 2005 appropriations bill, *P.L. 108-287 – Defense*, which was signed by the President on August 5. The House has passed 10 of the 13 annual appropriations bills and the Senate has passed only the Defense bill.

DEPARTMENT OF AGRICULTURE (USDA)

USDA reports that the agency has received a total of 237 applications amounting to \$36.6 million in grant requests under the agency's energy conservation grant program. The program, which was funded at \$23 million in FY 2004, provides funding to farmers for improving their operations through the use of energy efficiency and renewable energy technologies. USDA's FY 2005 appropriations bill, which has been approved in the House, provides \$23 million in grant funds for FY 2005. USDA is currently reviewing the FY 2004 grant applications and plans to announce in September, the results of their review.

DEPARTMENT OF ENERGY (DOE)

On July 29, DOE's Office of Energy Efficiency and Renewable Energy announced in the *Federal Register*, the agency's "Advance Notice of Proposed Rulemaking" (ANOPR) for establishing (1) test procedures for one product category and (2) energy conservation standards for three product categories:

- Distribution Transformers (test procedures – contact Cyrus Nasser at cyrus.nasser@ee.doe.gov) and standards – Ron Lewis at Ronald.lewis@ee.doe.gov)
- Commercial Unitary Air Conditioners and Heat Pumps (standards – contact James Raba at jim.raba@ee.doe.gov)
- Residential Furnaces and Boilers (standards – contact Mohammed Khan at mohammed.khan@ee.doe.gov)

DOE plans to hold a series of public meetings between September 27 and September 30 in Washington, DC on the ANOPRs.

In addition, DOE announced in the August 17 issue of the *Federal Register*, a technical amendment for Central Air Conditioner and Heat Pump Energy Conservation Standards. The technical amendment to the final rule replaces a "12 SEER" standard with a "13 SEER" (seasonal energy efficiency ratio) standard in response to a U.S. Court of Appeals ruling. The revised standard will result in a 30 percent increase in efficiency for units sold after January 22, 2006. For additional information, visit www.eere.energy.gov/buildings/appliance_standards/.

DOE NATIONAL LABORATORY ACTIVITIES

Idaho National Engineering and Environmental Laboratory (INEEL)

DOE recently announced the creation of the United States Computer Emergency Readiness Team (US-CERT) Control Systems Security and Test Center. The purpose of the test center is to enable "control system stakeholders, such as utility companies and manufacturers, to identify and reduce control system vulnerabilities, help identify sector requirements, develop partner agreements and share information to support and implement design improvements." DOE established the center in concert with the Department of Homeland Security. (Source (INEEL Press Release, August 18, 2004)

ENVIRONMENTAL PROTECTION AGENCY (EPA)

EPA is reportedly considering a review of current test procedures for establishing new vehicle mileage ratings. The purpose of this review is to ensure that the ratings provide an accurate reflection of fuel economy performance. In late July, EPA received public comments

about the agency's methodology for determining new vehicle performance and was encouraged by environmental groups, including the Union of Concerned Scientists to reexamine test procedures.

CENTRAL (FORMERLY CHICAGO) REGION

No new information of interest to report.

MID-ATLANTIC (FORMERLY PHILADELPHIA) REGION

No new information of interest to report.

MIDWEST (FORMERLY DENVER) REGION

No new information of interest to report.

NORTHEAST (FORMERLY BOSTON) REGION

No new information of interest to report.

SOUTHEAST (FORMERLY ATLANTA) REGION

No new information of interest to report.

WESTERN (FORMERLY SEATTLE) REGION

The General Services Administration has announced the agency's requirement for direct access electricity accounts for GSA facilities located in the following utility service territories: Southern California Edison, San Diego Gas & Electric, and Pacific

[Back to Table of Contents](#)

STATE AND LOCAL GOVERNMENT ACTIVITIES

GENERAL ANNOUNCEMENTS

No news of interest to report.

CENTRAL (FORMERLY CHICAGO) REGION

The Colorado Governor's Office of Energy Management and Conservation and the Aspen Skiing Company (ASC), along with other supporters, has unveiled a 115 kW micro-hydroelectric power plant in Snowmass Ski Area. By using existing renewable energy sources, the resort could save thousands of dollars in energy costs. The plant uses the existing snowmaking system's underground pipes to channel spring runoff through a turbine, which generates electricity. The plant plans to generate about 250,000 kilowatt hours of energy

annually and also sell power to Holy Cross Energy, earning about \$15,000 each year. (Source: *GreenBiz.com*, July 22, 2004)

Kansas Governor Kathleen Sebelius (D) has instructed the Kansas Energy Council to complete and submit to her by January 2005, a comprehensive energy plan for the state. Her goal is to increase the use of wind energy in Kansas, which provides ideal conditions for wind farms. To date, the state has only 170 operational wind turbines. To move the process along, Kansas City Power & Light Company is conducting research to identify optimal sites for installing wind turbines in the state. (Source: *Greenwire*, August 4, 2004)

MID-ATLANTIC (FORMERLY PHILADELPHIA) REGION

Jersey Central Power and Light submitted its Phase II rate filing with the New Jersey Board of Public Utilities (NJBPUL). The filing includes an increase in base rates of \$36 million, which will be used to recover costs of projects developed such as to enhance system productivity. The filing also seeks to increase the deferred recovery component of the Market Transition Charges by \$20 million annually. If approved, the \$56 million request would result in a 2.6 percent base rate increase, the first increase since 1993, and would raise monthly rates for a customer using 500 kilowatt hours by \$1.35. (Source: *The Power Marketing Association*, July 19, 2004)

MIDWEST (FORMERLY DENVER) REGION

The Wisconsin Public Service Corporation has announced that the company will buy 70 MWs of wind power from the proposed Forward Energy Wind project in Brownsville, located near Waupun. The announcement increases to 130 MWs the amount of power currently contracted for the wind farm that will be developed by Invenergy Wind, enough to service 45,000 homes. Invenergy plans to file an application with the state Public Service Commission in August. (Source: *The Power Marketing Association*, July 23, 2004)

NORTHEAST (FORMERLY BOSTON) REGION

New York Governor George Pataki recently announced a plan to provide more than \$15 million to support 52 distributed generation and combined heat and power projects across the state. The projects will be designed to increase the availability of clean, efficient generation capacity, and support the development of advanced technologies for combined heat and power. The New York State Energy Research and Development Authority will be funding the projects, which will enable commercial, agricultural, and industrial energy users to generate their own electricity while using waste heat from electric generation equipment for various purposes, such as space or water heating. The 52 projects selected were evaluated based on their likelihood of success as well as the economic and environmental benefits associated with the endeavor. For more information, visit www.cleantech.com/story.php?nID=3097 (Source: *Clean Edge News*, August 3, 2004)

SOUTHEAST (FORMERLY ATLANTA) REGION

No news of interest to report.

WESTERN (FORMERLY SEATTLE) REGION

The California Public Utilities Commission (CPUC) has determined that Tehachapi, California, could be the next site of significant capacity building for wind, and may be relied on in the near future to provide a significant part of the state's renewable portfolio standards (13 percent by 2010 and 20 percent by 2017). U.S. Wind Farming Inc., the only publicly traded wind farming company in America, is currently the major player in development plans for this project. According to William Telander, CEO of U.S. Wind Farming Inc., "We are in the process of conducting studies for this potential long-term project." (Source: *Utility Automation and Engineering*, August 17, 2004)

The Los Angeles Department of Water and Power (LADWP) has redesigned its website to provide customers with the opportunity to conduct account transactions on-line. The redesigned site is organized into several areas, including Customer Service, Rebates and Programs, Water, Power, Green LA, Doing Business, About LADWP, and Community and Safety. To register, customers simply need their account information to access account information, pay bills, and change services. As an added incentive to register, customers will receive two free compact fluorescent light bulbs to help lower energy use. LADWP serves 3.9 million people in the City of Los Angeles. To view the website, visit www.ladwp.com. (Source: *The Power Marketing Association*, August 20, 2004)

According to his staff, California Governor Arnold Schwarzenegger (R) wants to reinsert deregulation provisions into an energy bill in the State Legislature. In early August, the bill's author, State Assembly Speaker Fabian Nunez (D), removed a provision that would give large energy users direct access to electricity on the wholesale market. Many consumers expressed concern over the provision, fearing it would lead to an electricity crisis, similar to the ones that occurred in 2000 and 2001. The bill, which was scheduled for review on August 11 by the State Senate Committee on Appropriations, is supported by Southern California Edison and its parent, Edison International. The energy bill has Assembly and Senate Committee Approval. (Source: *Greenwire*, August 12, 2004)

California utilities, state energy agencies, local governments, and large businesses are marketing a new program to reduce energy consumption. Flex Your Power Now! uses current media outlets, business associations, government entities, and electronic mail to provide timely information on the status of energy use in the area. When the California Independent System Operator (ISO) or state's utilities expect power to be tight, the coalition (which includes the California ISO, California Energy Commission, the California Public Utilities Commission, Pacific Gas and Electric Company, Southern California Edison and San Diego Gas and Electric, the Los Angeles Department of Water and Power, and municipal utilities and private companies) activates the Flex Your Power Now! alert system, to encourage residents to take voluntary measures to reduce energy consumption, especially during the peak hours of 4 p.m. to 6 p.m. The most common users of peak energy are air conditioners, appliances, and lighting. By instituting this alert system, the coalition hopes to raise public awareness regarding energy use. The effort builds on the Spare the Air Campaign, which alerts Californians of high-smog days and requests that they reduce the use of vehicles and other equipment that may cause air pollution. (Source: *Environmental News Service*, August 2004)

The California Assembly Appropriations Committee has not yet voted on a bill to install solar panels in the state by 2017, stating they are waiting for endorsement by California Governor Arnold Schwarzenegger (R). The bill, which calls for \$1 billion in incentives for homeowners and builders, was drafted by State Senator Kevin Murray (D). Under the initiative, originally suggested by the U.S. Environmental Protection Agency, home builders could receive

rebates to install solar panels on new homes and incentives for work on existing homes. Funding for the initiative would come from utility ratepayers. While consideration is underway by the Governor, the bill may be reviewed by other committees. Senator Murray's bill was endorsed by environmentalists on August 23, favored because it calls for homeowners to offer solar power by 2008, while some consumers oppose taxpayer dollars funding the program. A competing proposal by Senator Debra Bowen (D-Marina del Rey), ties the solar incentives to Governor Schwarzenegger's approval of a pending bill he currently opposes that would reverse the state's experiment with electricity deregulation. (Sources: *Greenwire*, August 17, 2004; AP/Palm Springs *Desert Sun*, August 24, 2004, AP/Santa Rose *Press Democrat*, August 25, 2004)

With western utilities feeling the strain of peak summer demand, some are encouraging conservation and putting customers on notice that they could lose power. In California, customers with "interruptable" power (allowing utilities to shut off power to avoid widespread blackouts) are preparing for outages. In Arizona, technical problems have threatened power supply as temperatures reach 100 degrees. Fires and power surges have contributed to the potential problems across Arizona. Some experts suggest that the region's dependence on air conditioning for power-which spikes during the summer-is responsible for the current demand. (Source: *Greenwire*, July 27, 2004)

The Tucson Electric Power Company (TEP) has updated its SunShare subsidy in the hopes of attracting new consumers. Under SunShare, TEP offers an incentive of up to \$2,000 per KW of verified AC, or alternating current power output, from a home solar electric system or a \$2,000 "buy-down" credit on a \$6,000 system purchased through TEP. The average air-conditioned home in the Arizona desert needs about 4 KW of energy on the hottest days of the year. Experts consider the high capital costs and slow rate of return (10 years) as major influences in the lack of participation in the program. TEP's sister utility, UniSource Energy Services, has also begun offering subsidies to customers in rural Southern and Northern Arizona. (Source: *The Power Marketing Association*, August 25, 2004)

Whatcom County, Washington, has proposed the construction of a 720-Mw natural gas cogeneration plant at BP Cherry Point Refiner. The state's Energy Facility Site Evaluation Council is expected to rule on the proposal by October, and if the proposal is approved,, it will be submitted to Governor Gary Locke (D). The cogeneration plant will provide initial power to BP with the remaining power to be sold in the open market. (Source *Bellinghamherald.com*, July 27, 2004)

[Back to Table of Contents](#)

UTILITIES AND SUPPLIER ACTIVITIES

MULTIPLE REGIONS

► Restructuring Activities

Utilities in California, Michigan, and Pennsylvania, are considering rate adjustments for residential and business customers. Proposed changes could potentially mean higher rates for residential customers. One current concern in the deregulation debate is the subsidization of

residential customers by businesses; a proposed solution is to reduce business costs while raising rates for residential consumers. States are approaching these concerns in various ways: in California, Governor Arnold Schwarzenegger (R) has issued a proposal that would provide businesses with a variety of energy source choices; in Michigan, Detroit Edison Co. is considering a raise hike for residential customers and a rate reduction for businesses; in Pennsylvania, PPL Corp. is deciding how rates will be affected as they become unfrozen at the end of the year. Consumer advocates are concerned rate adjustments could lead to political liabilities. (Source: *Greenwire*, August 17, 2004)

CENTRAL (FORMERLY CHICAGO) REGION

► *Public Benefits*

As of July 29th, an estimated 80,000 Texas households have elected to transfer from their traditional incumbent electricity provider to a competitor. Reliant Energy now serves more than a 250,000 million residential customers outside the company's traditional service area, more than double the customer base from this time last year. Typical interest in competitive pricing peaks in the summer as consumers seek relief from high electric bills, often a result of air conditioning use. Jim Robb, Senior Vice President of retail marketing at Reliant Energy, believes that their price "provides meaningful savings." Reliant offers a variety of residential electric plans, which are designed to meet the various needs of potential customers. For example, with Reliant's Flex Plan, there is no long-term contract, allowing customers more flexibility with services. Reliant Energy, which is based in Houston, Texas, provides electricity and energy services to retail and wholesale customers in the U.S. For more information, please visit <http://www.reliant.com/corporate>. (Source: *Reliant Energy*, July 30, 2004)

► *Restructuring Activities*

Colorado utility Xcel Energy received permission from regulators to proceed with a plan to add 500 MWs of wind power capacity, according to the state Public Utilities Commission. The company, which currently generates 250 MWs from wind, would help improve the state's renewable energy portfolio, raising it from four to 10 percent. To benefit from the Federal renewable production tax credit, the company will need to complete production by 2006. The plan comes on the heels of a proposed standard of 10 percent for the state, effective 2015. (Source: *Greenwire*, August 17, 2004)

Aquila, Inc. has announced that rates for their 90,000 electric customers in Colorado, will increase 2.2 percent beginning in September. The rate increase is the result of a settlement with the Colorado Public Utilities Commission. Residential customers using 7,151 kilowatt-hours of electricity a year will see a monthly increase of \$1.76, or \$21.12 a year. Small business customers can expect to see an average monthly increase of \$12.06. Based in Kansas City, Missouri, Aquila operates electricity and natural gas distribution in Colorado, Iowa, Kansas, Michigan, Minnesota, Missouri, and Nebraska. For more information, visit www.aquila.com. (Source: *The Power Marketing Association*, August 20, 2004).

MID-ATLANTIC (FORMERLY PHILADELPHIA) REGION

No news of interest to report.

MIDWEST (FORMERLY DENVER) REGION

► *Restructuring Activities*

Wisconsin Power and Light Company has requested a rate increase of 10 percent, or \$12.2 million, for wholesale customers, including municipalities. The company asserts that the increase would cover costs associated with buying power from the Riverside Energy Center that recently opened in Beloit, as well as lease costs associated with the Sheboygan Falls natural gas-fired plant that could open as early as next year. The request, filed with the Federal Energy Regulatory Commission on August 17th, needs final approval from the state Public Service Commission. (Source: *The Power Marketing Association*, August 20, 2004)

NORTHEAST (FORMERLY BOSTON) REGION

► *Public Benefits*

The Long Island Power Authority (LIPA) in New York, has put an energy efficiency program into place that is aimed at reducing electricity use and enhancing reliability for the utility over the next decade. The plan is aimed at achieving up to 73 MWs of energy and capacity saving through energy efficiency programs. Implementation of the program will be performed by CSGServices, a Conservation Services Group Affiliate, and will achieve energy economics by retrofitting buildings with energy efficient lighting, heating and ventilation systems, appliances, and refrigeration systems. Work is scheduled to begin in fall of 2004, and continue until December 2007. (Source: *Environment News Service*, July 21, 2004)

SOUTHEAST (FORMERLY ATLANTA) REGION

No news of interest to report.

WESTERN (FORMERLY SEATTLE) REGION

► *Public Benefits*

San Diego Gas and Electric (SDG&E) filed its first annual update in regards to a long-term resource plan to continue supplying power to its customers. The plan calls for increased purchases of renewable energy (such as wind and solar power), a new transmission line by 2010, and additional generating plants. According to Robert Resley, Resource and Strategic Planning Vice President for SDG&E, the goal is to create a “balanced mix of resources, depending on energy efficiency,” then, renewable resources, and, finally, traditional generation. The filing highlights how SDG&E’s goals and recent approval of new generation resources will provide San Diego with energy supplies until 2011. SDG&E is a regulated public utility that provides energy service to three million consumers through 1.3 million electric meters and over 800,000 natural gas meters in San Diego and southern Orange counties. For additional information, visit www.sdge.com. (Source: *Electric Light and Power* (?), July 14, 2004)

► *Restructuring Activities*

The Arizona Public Service (APS) Company announced a possible agreement with regulatory staff members, major customers, and other groups on August 18th that would allow the electric company to increase rates by 4.21 percent. The agreement was supported by 21 other parties, including the Residential Utility Consumer Office, Arizona Utility

Investors Association, the Arizona Community Action Association, and the Arizona Solar Energy Industries Association. If approved, the rate increase would be the first for APS in over 10 years. Under the terms of the settlement, the average monthly bill for APS residential customers would increase from \$62.14 to \$64.26, which is roughly 3.4 percent. (Source: *The Power Marketing Association*, August 20, 2004)

In an effort to increase renewable energy use, Tucson Electric Power has set up a pilot solar power station in Springerville, Arizona. This development comes as New Mexico Gov. Bill Richardson (D) and California Gov. Arnold Schwarzenegger (R) cosponsored a resolution that calls for Western states to collectively develop 30,000 MWs of “clean” energy by 2015, including sources such as solar, wind, geothermal, and biomass. Officials at the Arizona plant say they hope to generate as much power as a coal- or gas-fired plant. (Source: *Greenwire*, July 26, 2004)

Pacific Gas and Electric (PG&E) has submitted an application with the California Public Utilities Commission to change its electric rates. If approved, electric rates could increase for some and decrease for others. Under the plan, the average customer (using 542 kilowatt hours a month) would pay \$69.85 a month, up \$3.76 from the current cost of \$66.09. Electric bills would also go up for agricultural customers and small businesses. Conversely, medium-sized businesses, large grocery stores and manufacturing plants would pay less. If approved, the rate changes will go into effect in late 2005 or early 2006, according to Ron Low, a spokesman for PG&E. He states, “The goal of the proposal is to assure all customers are paying a proportionate share of the costs incurred to provide them electric service.” (Source: *The Power Marketing Association*, July 19, 2004)

[Back to Table of Contents](#)

PRIVATE SECTOR

GENERAL ANNOUNCEMENTS

No news of interest to report.

CENTRAL (FORMERLY CHICAGO) REGION

TAC implements an \$800,000 energy savings performance contract for eight school facilities at the Connally Independent School District in Waco, Texas. The contract is funded through resulting energy savings and utility company rebates. Projects cover the replacement of rooftop air conditioning units, the implementation of district-wide water conservation, the expansion of existing energy management systems, and the incorporation of lighting retrofits. (Source: *Environmental Design + Construction*, July/August 2004)

MID-ATLANTIC (FORMERLY PHILADELPHIA) REGION

Langston High School and Langston-Brown Community Center in Arlington, Virginia earn LEED Silver certification. The center utilizes automated building control systems, Direct Digital Controls, carbon monoxide sensors, motion sensors, and manual lighting controls. According to AIA, LEED Accredited Professional and Project Architect for the Langston High School and Community Center J. Mark West, the estimated energy savings is at 17 percent

above and beyond recent ASHRAE Standard 90.1 requirements. (Source: *Environmental Design + Construction*, July/August 2004)

MIDWEST (FORMERLY DENVER) REGION

The Montgomery County Geriatric and Rehabilitation Center in Royersford, Pennsylvania, is mid-way through a facility renewable program to save energy and reduce operating costs. Energy saving measures being implemented at the 590-bed facility include: new chillers, cooling towers and pumps, steam boiler plant, and digit controls along with a lighting equipment retrofit. The project is financed as a result of \$700,000 in savings on energy and operating costs achieved by the energy service company, Cinergy Solutions. Cinergy's Vice President, Rod Husk said, "This energy project seeks to strengthen the Center's financial future by providing long-term, quantifiable savings while upgrading and providing enhanced reliability and comfort in the facility." (Source: *GreenBiz.com*, July 19, 2004)

Chisholm Middle School, in Chisholm, Minnesota, incorporates dimming controls in the campus. The school installed The Watt Stopper's LightSaver dimming controls featuring LCD-103 dimming controllers, LS-190 light level sensors, LS-4 dimming wall switches, and dual technology occupancy sensors resulting in reduced energy usage. (Source: *Environmental Design + Construction*, July/August 2004)

NORTHEAST (FORMERLY BOSTON) REGION

Citizens for Responsible Growth, promotes U.S. Green Building Council's Leadership in Energy and Environmental Design (LEED) standards at the University of Connecticut. The Citizens for Responsible Growth plans to ask the University of Connecticut to implement LEED standards for the campuses new construction projects including a new football practice complex. (Source: *5 Northwest Connecticut/Sports Final*, July 30, 2004)

SOUTHEAST (FORMERLY ATLANTA) REGION

No news of interest to report.

WESTERN (FORMERLY SEATTLE) REGION

The largest of the four dining halls at the University of California at Berkeley recently became the first campus facility certified as a Bay Area Green Building by Alameda County Officials. Crossroads, which opened in January 2003, was recognized for meeting specific criteria targeted at conserving energy and water, reducing waste, and preventing pollution. This milestone also demonstrates the university's commitment to sustainable practices. According to the university's marketing coordinator for residential and student services programs, Kim LaPean, the goal is "to have all four dining halls certified by fall 2006." Examples of Crossroad's environmentally-friendly design include energy-efficient lighting, low-flow water faucets, and tables cleaned with cloth (as opposed to paper.) To date, the water conservation efforts alone have saved 180,000 gallons a month. The Alameda County Green Business Program is a government-business partnership that includes the East Bay Small Business Development Center, Alameda County Waste Management Authority, Bay Area Air Quality Management District, the City of Fremont, Alameda County Water District, and PG&E. (Source: *Greenbiz.com*, August 20, 2004)

University of Oregon's Charles H. Lundquist College of Business in Eugene, Oregon, demonstrates energy savings and environmentally friendly features. The 196,500 square foot complex, designed by SRG Partnership is registered with the U.S. Green Building Council's Leadership in Energy and Environment Design (LEED) program. The complex designed to achieve a Gold rating, utilizes building control systems, recycled materials and sustainable resources, low-flow water fixtures, a solar panel, and a green eco roof. Other features include the use of daylight in classrooms and offices, shade controls, Lutron's Grafik 6000 Centralized Lighting Control System and interior photosensors. (Source: *Environmental Design + Construction*, July/August 2004)

Arrowhead Mountain Spring Water Company in Cabazon, California, is the first food manufacturing company to receive U.S. Green Building Council's Leadership in Energy and Environmental Design (LEED) Silver Rating. The facility utilized 75 percent of construction waste materials, 50 percent of wood from sustainably managed forests, and implemented natural light where appropriate. The facility also incorporated other green building features including alternative transportation by encouraging bicycle riding, preservation of open space, minimization of overall heat effects on the site, reduction of lighting pollution, water conservation for landscaping by 57 percent, water conservation through constructed wetlands, and reduced use of CFCs (chlorofluorocarbons). (Source: GreenBiz.com, July 19, 2004)

[Back to Table of Contents](#)

MEETINGS, CONFERENCES, AND TRAINING WORKSHOPS

- Refer to [Appendix C](#) – New Technologies
- Refer to [Appendix D](#)– Calendar of Upcoming Events.

MULTIPLE REGIONS

The Association of Energy Engineers is offering an online seminar, Fundamentals of Lighting Efficiency on October 7. The seminar will cover evaluations of lighting systems through audits, energy-effective lighting systems, latest lighting products, lighting levels, lighting control strategies, environmental impacts of lighting efficiency projects, savings achieved from lighting improvements, lighting systems compliance with building energy codes, and lighting maintenance practices. For more information, go to www.aeecenter.org/training or www.aeecenter.org/realtime.

The U.S. Department of Energy's Federal Energy Management Program is holding an ongoing web course FEMP Lights. The course will cover materials and assignments on all aspects of lighting systems, including basic principles, new lamps and ballasts, fixtures and control technologies, energy and life-cycle analysis, retrofit installations, processes to select contractors, and the utilization of the FEMP Master Specification and other resources. For information on the course, visit www.eere.energy.gov/femp/services/training_femplights.cfm.

CENTRAL (FORMERLY DENVER)

The U.S. Department of Energy, the U.S. Combined Heat and Power Association, and the U.S. Environmental Protection Agency are sponsoring the 5th Annual Combined Heat and

Power (CHP) Roadmap Workshop in Austin, Texas, on September 20-21. The workshop will highlight accomplishments achieved since the 2003 CHP Roadmap Workshop, offer optional site visits to CHP installations, and provide networking opportunities. For more information, visit www.energetics.com/5thchpworkshop.

Montana's Office of the Governor and Office of the Secretary of State, the National Center for Appropriate Technology, the U.S. Department of Energy, and many others organizations are sponsoring Harvesting Clean Energy V in Great Falls, Montana, on January 20-21, 2005. The conference will discuss approaches to successfully develop, finance, and market wind power, biofuels, and energy efficiency and renewable technology projects. For more information, visit www.harvestcleanenergy.org/conference.html.

MID-ATLANTIC (FORMERLY PHILADELPHIA)

The Association of Energy Conservation Professionals is holding the 5th Annual Green Living and Energy Expo in Roanoke, Virginia, on December 3-4. The exposition will provide a diverse range of exhibits and presentations on renewable energy. For more information, visit www.aecp.org/index2.htm.

MIDWEST (FORMERLY CHICAGO)

The U.S. Department of Energy, Environmental Protection Agency and General Services Administration are sponsoring a workshop, Midwest Workshop for Greening the Federal Government, in Chicago, Illinois on August 31. The workshop demonstrates the Federal community's efforts to foster environmental and energy stewardship in buildings and operations. The workshop also includes compliance measures for LEED (Leadership in Energy and Environmental Design) and for various executive orders. For more information, visit www.eere.energy.gov/regions/midwest/events_detail.html/events_id=812.

The National Association of State Energy Officials is holding an Annual Meeting in Chicago, Illinois, on September 28-30. The meeting will cover a variety of topics including ExxonMobil Energy Outlook, the National Building Project's green building certification initiatives, energy efficiency, electricity transmission and distribution, energy production, Energy Star®, agriculture and rural development, energy policies, agricultural energy, geothermal heat, and diesel technology. For more information, visit www.naseo.org/events/annual/default.htm.

NORTHEAST (FORMERLY BOSTON)

The U.S. Department of Energy, the Environmental Protection Agency, and the Center for Resource Solutions are sponsoring the Fourth Annual Green Power Leadership Awards and Banquet on October 4 in conjunction with the Ninth National Green Power Marketing Conference in Albany, New York, on October 4-6. The Annual Green Power Leadership Awards and Banquet will honor the efforts of individuals, companies, and organizations promoting the use of renewable electricity sources through green power markets. The National Green Power Marketing conference will provide a status on green power marketing in electricity markets and strategies to increase the development of renewable energy resources. For more information, visit www.eere.energy.gov/greenpower/conference/.

SOUTHEAST (FORMERLY ATLANTA)

Advanced Energy Solutions, Advanced Thermal Solutions Inc., Advantage Technologies Inc. and many others are sponsoring Southern Energy and Environment Expo in

Fletcher, North Carolina, on August 27-29. The conference will showcase renewable energy and sustainable economics in a context of environmental stewardship. For more information, visit www.seeexpo.com.

Electric Utility Consultants Inc., Resource Dynamics Corporation, and Power Reliability and Security Council are sponsoring DG for Power Reliability and Security in Atlanta, Georgia, on September 27-28. The conference will cover distributed generation (DG) topics including the grid, state and Federal policy updates, power reliability and security priorities, challenges, blackouts, and the future electricity industry. For more information, visit www.pmaconference.com/dgpowerSept27.04.pdf.

The U.S. Department of Energy's Southeast Regional Office is holding a program review, Southeast Energy Star® Program Review in Savannah, Georgia, on September 21-23. The meeting will cover past Energy Star® experiences and brainstorm ideas for future plans on Energy Star®. For more information, visit www.eere.energy.gov/regions/southeast/events_detail.html/events_id=865.

The U.S. Department of Energy's Southeast Regional Office is holding a workshop U.S. Department of Energy Hydrogen Learning Workshop, in Orlando, Florida, on October 6. The workshop will cover the power and potential of hydrogen, the challenges of using hydrogen, and fuel cell demonstrations. For more information, visit www.eere.energy.gov/regions/southeast/events_detail.html/events_id=914.

The National Community Action Foundation is holding Energy Programs Leveraging Conference, in St. Petersburg, Florida, on November 8-10. The conference will offer training on program design and management, advocacy for energy consumers, and strategies to identify new energy program resources. For more information, visit www.ncaf.org/ec04brch.pdf.

WESTERN (FORMERLY SEATTLE)

The Geothermal Resources Council is holding an Annual Meeting in Palm Springs, California on August 29 – September 1. The Annual Meeting will feature over 125 presentations on up-to-date geothermal research, exploration, development, and utilization. The Annual meeting will also feature a trade show, a special workshop on geothermal production well pumps, tours to major geothermal power operations, and distinguished national and international key note speakers. For more information, visit <http://geothermal.org/meet.html>.

Department of Energy's Rebuild America Program and the City of Tolleson are sponsoring a conference, The Greening of Tolleson, Arizona: A Preview of the Nation's Cutting-Edge Technologies in Telleson, Arizona on September 10-11. The conference will provide the City of Tolleson and design and construction bidders, available technologies, green materials, and energy-efficient systems available for utilization in the "Green Construction" of the city's future Leadership in Energy and Environmental Design (LEED) certified green buildings. For more information, visit www.tollesonaz.org/CurrentEvents.asp?EID=17.

Profitable Sustainability, NBIS/NW, and Collins Family Foundation are holding a conference, Profitable Sustainability: The Future of Business, in Seattle, Washington, on September 26-29. The conference will educate attendees on energy savings, materials reduction, brand recognition, new sustainability products and services, management tools for planning and measuring sustainability, and developing a case for sustainability initiatives. For more information, visit www.nbis.org/conference.

[Back to Table of Contents](#)

STUDIES, REPORTS, AND ANALYSES

ENERGY AND WATER CONSERVATION

The August 14th Blackout One Year Later: Actions Taken to Reduce Blackout Risk,
Natural Resources Canada and the U.S. Department of Energy, August 2004

The United States and Canada have issued a joint report in response to the August 14, 2003, blackout, which affected eight U.S. states and the Province of Ontario, leaving up to 50 million people without electricity. The report reviews key accomplishments since the event and identifies challenges to be addressed. Since the blackout, the U.S. and Canadian Governments, along with the electricity industry and the North American Electric Reliability Council, have developed numerous initiatives to avoid potential future blackouts. The report is available at www.energy.gov/engine/doe/files/dynamic/137200412176_Blackout-OneYearLater.pdf

Costing Green: A Comprehensive Cost Database and Budgeting Methodology,
Langdon Adamson, August 2004

The report compares the cost for building projects using Leadership in Energy and Environmental Design (LEED) to buildings not using LEED. Part of the report includes a variety of building cost factors including demographic location, bidding climate and culture, local/regional design standards, intent and values of the project, climate, timing of implementation, size of the building, and point synergies. Other sections of the report cover a macro-level analysis on the cost of green projects, an analysis comparing the cost per square foot of 45-LEED-seeking projects with 93 that are non-LEED certification pursuing projects, and strategies to determine whether green buildings cost more as opposed to non-green buildings. Download the report from www.dladamson.com/images/pdf_files/costinggreen.pdf.

SOLAR AND RENEWABLE ENERGY

Renewing Arizona's Economy: A National Renewable Electricity Standard Will Create Jobs and Save Customers Money,
Union of Concerned Scientists, August 2004

A new analysis by the Union of Concerned Scientists, reported that increased use of wind, solar, and related energy resources could support the creation of thousands of jobs in Arizona. The organization suggests that by enacting a renewable electricity standard requiring 20 percent of the nation's electricity be produced by 2020, 3,900 jobs in Arizona could be created. According to Jeff Deyette, Energy Analyst with the Union of Concerned Scientists, the use of renewable energy sources can "produce jobs, save consumers money on their electricity bills and enhance public health." Mr. Deyette determined that a 20 percent renewable energy standard could produce \$115 million in property tax revenues (for rural jurisdictions) and approximately \$20 million in income for ranches and rural landowners. He also suggests that the policy could create 2.6 times more jobs than new natural gas and coal power plants. This standard is similar to the Western Governor's Association goal of developing 30,000 MWs of renewable energy by 2015. The report is available at [www.ucsusa.org/documents/Renewing_our_Economy - Arizona.pdf](http://www.ucsusa.org/documents/Renewing_our_Economy_-_Arizona.pdf).

UTILITIES AND SUPPLIERS

Toward a Consumer-Oriented Electric System, National Association of State PIRG's for the National Commission on Energy Policy, August 2004

The report claims that ratepayers now face rising fuel costs and the prospect of paying more to ensure reliable electric service. The authors suggest that the government consider the long-term benefits associated with energy-efficiency, distributed generation, and renewable energy. While the report may be critical of some restructuring programs, it also highlights how some states have revived their programs, such as the resuscitation of California's program for large industrial customers. The report can be found at

www.uspirg.org/reports/consumerorientedelectricsystem.pdf

MISCELLANEOUS

No news of interest to report.

[Back to Table of Contents](#)

APPENDIX A

STATUS OF FY 2005 APPROPRIATIONS BILLS

Red text highlights developments since the last issue of *INSIGHTS*.

(In Billions)

HOUSE

SENATE

Jurisdiction/ FY 2004 Budget Request (In Billions)	302(b) Discretionary Allocations/ Approved Funding Level (In Billions)	Bill No.	Full Cmte. Mark Up	Floor Vote	Vote on Conf Rpt.	302(b) Discretionary Allocations/ Approved Funding Level (In Billions)	Bill No	Full Cmte. Mark Up	Floor Vote	Vote on Conf. Rpt.
Agriculture \$16.569	\$16.78 \$16.77	H.R. 4766	6/23	7/13		TBD				
Commerce \$39.553	\$39.78 \$39.8	H.R. 4754	6/23	7/8		TBD				
Defense \$392.585 P.L. 108-287 \$416.2	\$392.14 \$416.9	H.R. 4613	6/16	6/22	7/22	TBD \$416.2	S. 2559	6/22	6/24	7/22
Energy and Water Development \$27.938	\$27.99 \$28.0	H.R. 4614	6/16	6/25		TBD				
Homeland Security \$31.104	\$32 \$32	H.R. 4567	6/9	6/18		TBD \$33.1 \$32	S. 2537	6/17		
Interior \$19.982	\$19.73 \$19.5	H.R. 4568	6/9	6/17		TBD				
Labor/HHS \$142.050	\$142.05		7/14			TBD				
Military Construction \$9.553	\$9.553 \$10.003	H.R. 4837	7/9	7/22		TBD \$10.003	S. 2674	7/15		
Transportation and Treasury \$25.714	\$25.714	H.R. —	7/22			TBD				
VA/HUD \$92.129	\$92.129 \$92.9	H.R. — —	7/22			TBD				

[Back to Table of Contents](#)

APPENDIX B
FY 2005 APPROPRIATIONS COVERED TO DATE

(Summary of Provisions of Interest)

Agriculture, Rural Development and Food and Drug Administration
(page 21)

Commerce, Justice, State, and the Judiciary
(page 22)

Defense
(page 24)

Energy and Water Development
(page 25)

Homeland Security
(pages 26)

Interior and Related Agencies
(page 28)

Department of Labor
(page 30)

Military Construction
(page 31)

Departments of Transportation and Treasury
(page 33)

***Departments of Veterans' Affairs and Housing and Urban
Development and Independent Agencies
(e.g., Environmental Protection Agency)***
(page 34)

AGRICULTURE, RURAL DEVELOPMENT, AND FOOD AND DRUG ADMINISTRATION

Key Program Activity	House Bill <i>H.R. 4766</i> \$16.77 Billion (Passed the House on 7/13)	Senate Bill S. ____ \$ ____	Budget Request (Discretionary Funding) \$16.569 Billion
DEPARTMENT OF AGRICULTURE Buildings and Facilities and Rental Payments Animal Plant Health Inspection Service, Building and Facilities Agriculture Research Service Renewable Energy Program for Farmers	\$165.883 Million (includes \$128.319 million for rental payments, \$35.564 million for building operations, and \$2 million for a Strategic Space Plan) \$4.996 Million for buildings and facilities \$202 Million for buildings and facilities (includes \$178 million for construction of the Animal Health facility in Ames, IA; also provides \$3 million each for the modernization and construction for research facilities in Peoria, IL; Davis, CA; Salinas, CA; Houma, LA; Geneva, NY; Ithaca, NY; Pullman, WA; and Marshfield, WI) \$15 Million in energy grants and loans to farmers for renewable energy technologies.		Statement Of Administration Policy Administration supports passage of <i>H.R. 4766</i>
FOOD AND DRUG ADMINISTRATION Facilities	\$0 funding		

COMMERCE, JUSTICE, STATE, AND THE JUDICIARY

(Bill not yet in Print)

Key Program Activity	House Bill <i>H.R. 4754</i> \$39.8 Billion (Passed the House on July 8)	Senate Bill S. ____ \$ ____	Budget Request (Discretionary Funding) \$39.553 Billion
DEPARTMENT OF COMMERCE National Institutes of Standards and Technologies, Facilities National Oceanic and Atmospheric Administration, Facilities	\$43.132 Million for construction and major renovations at NIST campuses in Boulder, CO and Gaithersburg, MD Unspecified funding for facilities (committee also directs NOAA to submit within 60 days of enactment of Act, updated long-range construction and renovation facilities plan and corresponding spending plan for FY 2005)		Statement Of Administration Policy Administration supports passage of <i>H.R. 4754</i>
DEPARTMENT OF JUSTICE U.S. Marshals Service, Facilities Federal Bureau of Investigation, Facilities Bureau of Prisons, Facilities	\$1.371 Million for construction \$10.242 Million for construction (includes \$1.242 for recurring construction needs) \$189 Million for construction, modernization, maintenance, a repair of prison and detention facilities		

F E M P M O N T H L Y U P D A T E

Key Program Activity	House Bill <i>H.R. 4754</i> \$39.8 Billion (Passed the House on July 8)	Senate Bill S. ____ \$ ____	Budget Request (Discretionary Funding) \$39.553 Billion
DEPARTMENT OF STATE Embassy Security, Construction, and Maintenance	\$1.524 Billion (includes \$912.320 million for priority worldwide security upgrades, acquisition, and construction and \$611.680 for non-security related costs) Provides funding for construction of 7new embassy compounds, 2 annex buildings, 4 USAID building on secure embassy compounds		

DEFENSE

P.L. 108-287**Signed by the President on August 5, 2008**

Key Program Activity	House Bill <i>H.R. 4613</i> \$416.9 Billion (House approved Conference Report on July)	Senate Bill <i>S. 2559</i> \$416.2 (Senate approved Conference Report on July)	Budget Request (Discretionary Funding) \$392.585 Billion
Operations and Maintenance			Statement Of Administration Policy
Pentagon Reservation			Administration supports passage of <i>H.R. 4613</i>
Embassy Security, Construction, and Maintenance			Administration supports passage of <i>S. 2559</i>
Building Protection			

25

HOMELAND SECURITY

Key Program Activity	House Bill <i>H.R. 4567</i> \$32 Billion (Passed House on 6/18)	Senate Bill <i>S. 2537</i> \$32 Billion (Passed Committee on Appropriations on 6/17)	Budget Request (Discretionary Funding) \$31.104 Billion
<p>Headquarters Facility – Consolidation and Co-location of Offices</p> <p>DHS Facilities (General)</p> <p>Bureau of Customs and Border Protection</p> <p>Immigration and Customs Service (Air and Marine Interdiction Operations, Maintenance, and Procurement)</p> <p>U.S. Coast Guard (Acquisition, Construction, and Improvements)</p> <p>U.S. Secret Service</p> <p>Federal Law Enforcement Training Center</p>	<p>\$65.081 Million for construction and related activities.</p> <p>\$91.718 Million to plan, construct, renovate, equip, and maintain buildings and facilities.</p> <p>\$26.179 Million for construction, renovation, equipment, and maintenance of facilities.</p> <p>\$37.917 Million for additional property and facilities, construction, maintenance, improvements, etc.</p>	<p>\$65.081 Million for alternation and improvement of facilities and for relocation costs to consolidate headquarters' operations</p> <p>Unspecified Funding Directs DHS to report by 2/1/05, feasibility of establishing separate Homeland Security Pacific Region</p> <p>\$91.718 Million to plan, construct, renovate, equip, and maintain buildings and facilities</p> <p>\$26.179 Million for construction, renovation, equipment, and maintenance of facilities</p> <p>Unspecified Funding for shore facilities (notes that USCG invests in modern structures that are more energy-efficiency)</p> <p>\$3.633 Million for facility upgrades, continue development of Master Plan, and maintain and renovate existing facilities, including Rowley</p>	<p>Statement Of Administration Policy</p> <p>Administration supports passage of <i>H.R. 4567</i></p> <p>Administration supports passage <i>S. 2537</i></p>

F E M P M O N T H L Y U P D A T E

Key Program Activity	House Bill <i>H.R. 4567</i> \$32 Billion (Passed House on 6/18)	Senate Bill <i>S. 2537</i> \$32 Billion (Passed Committee on Appropriations on 6/17)	Budget Request (Discretionary Funding) \$31.104 Billion
		Training Center) Unspecified Funding for expansion and maintenance at facility (and minor construction projects at four other buildings)	

INTERIOR AND RELATED AGENCIES

Key Program Activity	House Bill <i>H.R. 4568</i> \$19.5 Billion (Passed House on 6/17)	Senate Bill S. ____ \$ ____ Billion	Budget Request (Discretionary Funding) \$19.982 Billion
DEPARTMENT OF ENERGY Energy Conservation	\$656.071 Million \$17.9 Million Federal Energy Management Program \$64.884 Million Building Technologies \$62.480 Million Distributed Energy Resources \$84.940 Million Industrial Technologies \$12.680 Million Biomass and Biorefinery Systems \$71 Million Fuel Cells \$167.356 Million Vehicle Technologies \$84.667 Million Intergovernmental \$90.164 Million Program Management		Statement Of Administration Policy Administration supports passage of <i>H.R. 4568</i>
DEPARTMENT OF THE INTERIOR U.S. Fish and Wildlife Service			
National Park Service	\$48.4 Million for construction, improvement, acquisition or removal of buildings and other facilities.		
Smithsonian Institution	\$297.628 Million for construction, improvements, repair, or replacement of physical facilities.		
National Gallery of Art	\$94.690 Million for maintenance repair or rehabilitation projects for constructed assets, etc.		

F E M P M O N T H L Y U P D A T E

Key Program Activity	House Bill <i>H.R. 4568</i> \$19.5 Billion (Passed House on 6/17)	Senate Bill S. ____ \$ ____ Billion _____	Budget Request (Discretionary Funding) \$19.982 Billion
JFK Center for the Performing Arts	<p>\$122.9 Million for repair, revitalization, and alteration of facilities and construction</p> <p>\$11 Million for repair, restoration, and renovation of buildings, grounds and facilities.</p> <p>\$10 Million for construction</p> <p>Unspecified Funding for construction, reconstruction, maintenance, and acquisition of buildings and facilities.</p>		

DEPARTMENT OF LABOR

Key Program Activity	House Bill <i>H.R.</i> ____ \$142.526 Billion (Committee on Appropriations Mark Up Occurred on July 14)	Senate Bill <i>S.</i> ____ \$ ____ Billion	Budget Request (Discretionary Funding) \$19.982 Billion
	Bill not yet in print		Statement Of Administration Policy

MILITARY CONSTRUCTION

Key Program Activity	House Bill <i>H.R. 4837</i> \$10.003 Billion (Passed House on 7/22)	Senate Bill <i>S. 2674</i> \$10.003 Billion (Passed Committee on Appropriations on 7/15)	Budget Request (Discretionary Funding) \$19.982 Billion
<p>Military Construction (to remain available through 9/30/09)</p> <p>Family Housing (construction funds to remain available through 9/30/09)</p> <p>Military Housing Privatization Initiative (MPHI)</p> <p>Use of Sustainable Design Standards by DOD</p>	<p>\$1.863 Billion for the Army \$1.081 Billion Navy and Marine Corps \$797.865 Million for the Air Force \$718.837 Million for Defense-wide \$394.1 Million Army National Guard \$180.533 Million for the Air National Guard \$116.421 Million for the Army Reserve \$20.955 Million for the Naval Reserve \$111.725 Million for the Air Force Reserve</p> <p>\$636.099 Million for Army Housing Construction \$926.507 Million for Army O&M \$139.107 Million Navy and Marine Corps Construction \$696.304 Million for Navy and Marine Corps O&M \$846.959 Million for Air Force Construction \$854.666 Million for Air Force O&M \$49,000 for Defense wide construction \$49.575 Million for Defense-wide O&M</p>	<p>\$1.977 Billion for the Army \$1.016 Billion Navy and Marine Corps \$841.131 Million for the Air Force \$696.491 Million for Defense-wide \$381.765 Million Army National Guard \$231.083 Million for the Air National Guard</p> <p>\$66.325 Million for the Army Reserve \$33.375 Million for the Naval Reserve \$101.373 Million for the Air Force Reserve</p> <p>\$636.099 Million for Army Housing Construction \$928.907 Million for Army O&M \$139.107 Million Navy and Marine Corps Construction \$704.504 Million for Navy and Marine Corps O&M \$846.959 Million for Air Force Construction \$856.114 Million for Air Force O&M \$49,000 for Defense wide construction \$49.575 Million for Defense-wide O&M</p>	<p>Statement Of Administration Policy</p> <p>Administration supports passage of <i>H.R. 4837</i></p> <p>Strongly supports increase in military housing privatization cap from \$850 million to \$1/35 billion.</p>

FEMP MONTHLY UPDATE

Key Program Activity	House Bill <i>H.R. 4837</i> \$10.003 Billion (Passed House on 7/22)	Senate Bill <i>S. 2674</i> \$10.003 Billion (Passed Committee on Appropriations on 7/15)	Budget Request (Discretionary Funding) \$19.982 Billion
Water-Saving Technology	<p>Recommends raising or eliminating the budgetary cap on MHPI and addressing scoring methodology changes proposed by the Congressional Budget Office.</p>		
Energy Conservation Investment Program (ECIP)	<p>Encourages DOD to use sustainable building design and construction methods; House expressed concern about rating systems used by DOD to assess standards of sustainable design and construction that may unfairly discriminate against domestic producers of wood products</p>		
Barracks Construction	<p>Encourages DOD to (continue to) use water-saving technologies in the construction of new and improvement of existing DOD facilities</p>	<p>\$60 Million House maintains strong interest in renewable energy resources and commends the services for their efforts and the receipt of a Presidential Award for Federal Energy Management.</p> <p>\$1,015.1 Billion for the construction of Military Barracks</p>	

DEPARTMENTS OF TRANSPORTATION AND TRESURY

Key Program Activity	House Bill <i>H.R. ____</i> \$89.9 Billion (Committee on Appropriations Marked Up the Bill on July 22))	Senate Bill S. ____ \$____ Billion	Budget Request (Discretionary Funding) \$87.9 Billion
	Bill not yet in print		Statement Of Administration Policy

**DEPARTMENTS OF VETERANS' AFFAIRS AND HOUSING AND
URBAND DEVELOPMENT AND INDEPENDENT AGENCIES (E.G.,
ENVIORMENTATL PROTECTION AGENCY)**

Key Program Activity	House Bill <i>H.R.</i> ____ \$92.9 Billion (Committee on Appropriations Marked Up the bill on July 22)	Senate Bill S. ____ \$ ____ Billion	Budget Request (Discretionary Funding) \$92.1 Billion
	Bill not yet in print		Statement Of Administration Policy

[Back to Table of Contents](#)

APPENDIX C – NEW TECHNOLOGIES

For informational purposes only. Listing does not imply endorsement.

TECHNOLOGY	MANUFACTURER	MANUFACTURERS CLAIM	CONTACT
HVAC			
Axiom™	Trane, an American Standard Co.	Water-source heat pump product line provides building applications with fresh-air ventilation units. Delivers unconditioned air directly to the space, and provides dehumidification.	www.trane.com
Sens-A-Coil	Advanced Thermal Products	Thermistor temperature sensor monitors refrigerant temperature in condenser and evaporator coils. Sensor maximizes sensing surface area, which enables sensing element to quickly react to changes in the refrigerant temperature.	www.atpsensor.com
Water-Cooled Screw Compressor Chiller	McQuay International	Chiller features sound pressure levels from 74 to 76 dBA at one meter, per ASHRAE Standard 575. Single main rotor compressor quieter than conventional twin screw compressor designs. Eliminates need for sound attenuation equipment and sound-proofing mechanical rooms. Allows integration with most building automation systems without the need for costly gateway panels.	www.mcquay.com
OMC Oil Mobile Home/Cottage Furnace	Thermo Products LLC	Features high temperature rise of 80 degrees F, consists of Octatherm™ heat exchanger, and is designed for installation onto existing furnace base. Durable and carries lifetime warranty on the heat exchanger.	www.thermopride.com
FS300-100 Combi-Sensor	Honeywell Sensing and Control	Measures water pressure and inflow temperature in boiler systems. System fine tunes in conjunction with electronic control allowing peak system efficiency.	www.honeywell.com/sensing/promo/combi

F E M P M O N T H L Y U P D A T E

TECHNOLOGY	MANUFACTURER	MANUFACTURERS CLAIM	CONTACT
LIGHTING			
V3	Lighting Systems	New high-design, adjustable distribution wall valance. Consists of a slim ADA compliant profile and is utilized for traditional and contemporary architectural environments where perimeter lighting is appropriate.	www.ltgsys.com
Instant-Start Ballasts	Advance Transformer	Electronic ballasts features, IntelliVolt multiple-voltage technology. Technology enables operation at any input voltage from 120 to 277 V. The ballasts are the smallest in the market and now run on both 17-W T8 lamps and 14-W T5 lamps.	www.advancetransformer.com/
New Mark 7 010 V Electronic Dimming Ballast	Advance Transformer	277V dimming ballasts designed for big box retail, warehouse, and commercial applications. Operates for four 32-W T8 fluorescent lamps. Fully supports sustainable design as measured by LEED (Leadership in Energy and Environmental Design) Green Building Rating System. Insures efficient operation through reductions in material costs, installation costs and overall energy consumption. Optimizes popular techniques such as daylight harvesting and load shedding to drive maximum energy cost savings. Allows for lighting control across branch circuits, reducing the number of controls required and maximizing flexibility of application.	www.advancetransformer.com/
ENERGY MANAGEMENT TOOLS			
EEM Software	Power Measurement	New web-based energy management software version of ION EEM optimized for commercial office and retail property applications helps large energy consumers reduce energy-related business risks. The system controls energy and operations costs, enables better procurement strategies, maintains reliability, offers key performance indicators, benchmarking, forecasting, and control capabilities.	www.pwrm.com/

F E M P M O N T H L Y U P D A T E

TECHNOLOGY	MANUFACTURER	MANUFACTURERS CLAIM	CONTACT
PrimeNet	Air-Conditioning and Refrigeration Institute	Product performance database recently added a new directory. New directory allows users to search for performance ratings for all certified data updated daily on the Air-to-Air Energy Recovery Ventilators directory available on the Air-Conditioning and Refrigeration Institute's website.	www.ariprimenet.org
WATER EFFICIENCY			
Event Monitor™ Trigger System	Hach Company	Operators label specific sensor measurements related to systematic situations such as equipment failure and pre-nitrification. "Plant Event Library," stores labels in the system and alerts with a trigger signal when an operational upset occurs.	www.hach.com
Custom-Fabricated Tanks	Fisher Tank Co.	Used to retain and treat stormwater. Steel tanks have capacities from 20,000 up to 10 million gallons.	www.fishertank.com
Package Lift Stations	Yeomans Chicago Corp.	Includes factory-installed pipes, valves and fittings to reduce field installation costs and assure system compatibility of all components.	www.yccpump.com
MISCELLANEOUS			
ConneXium Ethernet Switch	Schneider Electric	10/100 Base-TX switch operates at 100 Mbps full-duplex, 100-Mbps half-duplex, 10Mbps full-duplex, or 10 Mbps half-duplex. Meets low-cost functionality and performance requirements and enables Ethernet-based sites to implement communications architecture throughout control and business systems for real-time control, data access, and decision making.	www.schneider-electric.com/
Pulsar EX RT	MGE UPS	Three new models in uninterruptible power supplies (UNS) series in the 700 to 1500 VA power range. Features versatile form factor suitable for use in freestanding tower or compact 2U rack configurations. Designed for robust operation including extended battery packs or fuel cell modules for multi-hour backup times.	www.mgeups.com/intl/solution/

F E M P M O N T H L Y U P D A T E

TECHNOLOGY	MANUFACTURER	MANUFACTURERS CLAIM	CONTACT
5000/6000-VA UPS	Eaton	Capability to protect 30 percent more servers in 40 percent less space. Allows end users to power more equipment than other competitive UPSs of equivalent VA ratings.	www.eatonelectrical.com
Bi-fuel Gen Set	Generac	Natural gas delivery system, factory installed on mass-produced diesel, equipped with economical automotive sensors and actuators, installed with microprocessor for system control. Cost effective, reduces capital costs, maintenance, and footprint. End users can store less fuel and reduce tank size.	www.generac.com/
Eco-tex Sustainable Textiles	Arc-Com	Expanded line includes upholstery fabrics and consists of 100 percent recyclable polyester backing fully compatible with 100 percent recycled polyester yarns.	www.arc-com.com/

[Back to Table of Contents](#)

APPENDIX D

MEETINGS, CONFERENCES, AND OTHER EVENTS

NOTE: New events are highlighted in blue.
DOE-sponsored events are highlighted in green.

FEMP Training Calendar: www.eere.energy.gov/femp/newsevents/events.cfm

GENERAL ANNOUNCEMENTS

DATE	EVENT	SPONSOR
October 7, 2004	Fundamentals of Lighting Efficiency Online Seminar	Association of Energy Engineers
Ongoing	FEMP Lights	Department of Energy's Federal Energy Management Program

CENTRAL (Formerly Denver)

DATE	EVENT	SPONSOR
August 28-September 3, 2004	World Renewable Energy Congress VIII and Expo Denver, CO	Department of Energy, American Council on Renewable Energy, Xcel Energy, World Renewable Energy Network and others
September 15-16, 2004	Hands-On Distributed Energy Resources Training Albuquerque, NM	Department of Energy's Federal Energy Management Program
September 20-21, 2004	5 th Annual CHP Workshop Austin, TX	Department of Energy's Federal Energy Management Program
September 22-24, 2004	27 th World Energy Engineering Congress & High Performance Facilities Expo Austin, TX	Association of Energy Engineers and Austin Energy
October 1-2, 2004	Green Building/Hybrid Source Expo and Workshop San Antonio, TX	AIA San Antonio and the City of Public Service
October 2, 2004	Houses that Work Grand Junction, CO	Energy and Environmental Building Association

F E M P M O N T H L Y U P D A T E

DATE	EVENT	SPONSOR
October 5, 2004	Anatomy of a Green Lease Workshop Houston, TX	The Corporate Realty, Design, & Management Institute
October 27, 2004	Anatomy of a Green Lease Workshop Denver, CO	The Corporate Realty, Design, & Management Institute
January 20-21, 2005	Harvesting Clean Energy V Great Falls, MT	Montana's Office of the Governor and Office of the Secretary of State, National Center for Appropriate Technology, U.S. Department of Energy and many others

MID-ATLANTIC (Formerly Philadelphia)

DATE	EVENT	SPONSOR
September 8, 2004	U.S. DOE Mid-Atlantic Hydrogen Learning Workshop Annapolis, MD	Department of Energy's Philadelphia Regional Office
September 13, 2004	Anatomy of a Green Lease Workshop Washington, D.C.	The Corporate Realty, Design, & Management Institute
September 15, 2004	Anatomy of a Green Lease Workshop Washington, D.C.	The Corporate Realty, Design, & Management Institute
September 16- 18, 2004	Bridging the Gap: Sustainable Environment Philadelphia, PA	University of Pennsylvania, Wharton School
September 27- 30, 2004	Worldwide Energy Conference Arlington, VA	Defense Energy Support Center
October 28, 2004	Federal Energy and Water Management Awards Washington D.C.	Department of Energy's Federal Energy Management Program
December 3-4, 2004	5th Annual Green Living and Energy Expo Roanoke, VA	Association of Energy Conservation Professionals

F E M P M O N T H L Y U P D A T E

MIDWEST (Formerly Chicago)

DATE	EVENT	SPONSOR
August 31, 2004	Midwest Workshop for Greening the Federal Government Chicago, IL	Department of Energy and the Environmental Protection Agency
September 14, 2004	Houses that Work Detroit, MI	Energy and Environmental Building Association
September 15, 2004	Houses that Work Grand Rapids, MI	Energy and Environmental Building Association
September 16, 2004	Houses that Work Traverse City, MI	Energy and Environmental Building Association
September 27-30, 2004	NASEO 2004 Annual Meeting Chicago, IL	National Association of State Energy Officials
October 4, 2004	Labs21 High Performance, Low-Energy Design Course St. Louis, MO	Department of Energy and the Environmental Protection Agency

NORTHEAST (Formerly Boston)

DATE	EVENT	SPONSOR
September 9, 2004	Anatomy of a Green Lease Workshop Boston, MA	The Corporate Realty, Design, & Management Institute
October 4-6, 2004	Ninth National Green Power Marketing Conference Albany, NY	Department of Energy, EPA Green Power Partnership, and Center for Resource Solutions

SOUTHEAST (Formerly Atlanta)

DATE	EVENT	SPONSOR
September 4-8, 2004	Sixth Symposium of the International Urban Planning and Environmental Association Louisville, KY	International Urban Planning and Environment Association and the Center for Environmental Policy and Management
September 16, 2004	Anatomy of a Green Lease Workshop Atlanta, GA	The Corporate Realty, Design, & Management Institute

F E M P M O N T H L Y U P D A T E

DATE	EVENT	SPONSOR
September 21-23, 2004	Southeast ENERGY STAR Program Review Savannah, GA	Department of Energy's Southeast Regional Office
September 27-28, 2004	DG for Power Reliability and Security Atlanta, GA	Electric Utility Consultants Inc., Resource Dynamics Corporation, and Power Reliability and Security Council
October 6, 2004	U.S. Department of Energy Hydrogen Learning Workshop, Southeast Region Orlando, FL	Department of Energy's Southeast Regional Office
November 8-10, 2004	Energy Programs Leveraging Conference St. Petersburg, FL	National Community Action Foundation

WESTERN REGIONAL (Formerly Seattle)

DATE	EVENT	SPONSOR
August 29 – September 1, 2004	Geothermal Resources Council Annual Meeting Palm Springs, CA	Geothermal Resources Council
September 1-3, 2004	Deconstruction and Building Reuse Conference Oakland, CA	Used Building Materials Association, Environmental Protection Agency and Alameda County Waste Management Authority
September 10-11, 2004	The Greening of Tolleson, Arizona: A Preview of the Nation's Cutting-Edge Technologies Tolleson, AZ	Department of Energy's Rebuild America Program and the City of Tolleson
September 26-29, 2004	Profitable Sustainability: The Future of Business Seattle, WA	Profitable Sustainability, NBIS/NW, and Collins Family Foundation
September 28-29, 2004	Energizing the Northwest, Today and Tomorrow Portland, OR	Department of Energy's Bonneville Power Administration
October 7, 2004	Anatomy of a Green Lease Workshop Phoenix, AZ	The Corporate Realty, Design, & Management Institute
October 11, 2004	Anatomy of a Green Lease Workshop San Francisco, CA	The Corporate Realty, Design, & Management Institute

F E M P M O N T H L Y U P D A T E

DATE	EVENT	SPONSOR
October 14, 2004	Anatomy of a Green Lease Workshop Los Angeles, CA	The Corporate Realty, Design, & Management Institute
October 14-15, 2004	Federal Utility Partnership Working Group Conference Downey, CA	Department of Energy's Federal Energy Management Program
November 10-12, 2004	Greenbuild International Conference and Expo Portland, OR	U.S. Green Building Council
December 3, 2004	Houses that Work Stockton, CA	Energy and Environmental Building Association

[Back to Table of Contents](#)